Abstract

A fiber optic fluid probe is employed in determining characteristics of a fluid or solid dispersed in the fluid into which the probe is immersed. The probe transmits electromagnetic radiation from a source by way of one or more fiber optic fibers and into the fluid, and then senses how the electromagnetic radiation interacts with the fluid. The optical signal returned from the probe, by way of fiber optic cables, is interrogated by an electronic instrument, which correlates the optical response to fluid properties and/or characteristics.